

IN THE CLAIMS:

Please amend the claims, as follows:

1. (Currently Amended) A method for ~~determining~~ arranging print data according to a layout of the print data printed, wherein the print data is printed by a printer onto a recording ~~medium~~, medium in which the recording medium is processed by a target device different from the printer, comprising:

determining, via communication with the printer, printing capabilities of the printer, wherein the printing capabilities include a designation of a valid area on the recording medium on which the printer can print;

determining, via communication with the target device, processing capabilities of the target device, wherein the processing capabilities include a designation of a printable area on the recording medium for which the target device has processing capabilities for processing properly; and

determining layout of the print data ~~used for color adjustment related to the printer~~ based on compatible capabilities between the printing capabilities of the printer and the processing capabilities of the target device, wherein the layout is characterized by an area on the recording medium that is common between the valid area designated by the printing capabilities and a printable area designated by the processing capabilities that is properly processable by the target device; and

arranging print data for printout by the printer in accordance with the determined layout.

2. (Original) A method according to Claim 1, wherein the step of determining layout further comprises the step of communicating with the printer so as to negotiate the layout.

3. (Original) A method according to Claim 1, wherein the step of determining layout further comprises the step of communicating with the target device so as to negotiate the layout.

4. (Original) A method according to Claim 1, further comprising the steps of communicating the layout of the print data to the printer and configuring the printer in accordance with the communicated layout.

5. (Original) A method according to Claim 4, wherein the layout is communicated to the printer in a print job sent to the printer for printing the print data.

6. (Original) A method according to Claim 1, further comprising the steps of communicating the layout of the print data to the target device and configuring the target device in accordance with the communicated layout.

7. (Original) A method according to Claim 1, wherein the printing capabilities are determined through communication with the printer.

8. (Withdrawn) A method according to Claim 1, wherein the printing capabilities are determined through communication with a database that stores data of printing capabilities of the printer.

9. (Withdrawn) A method according to Claim 8, wherein the database further stores data of printing capabilities of plural different printers.

10. (Withdrawn) A method according to Claim 1, wherein the processing capabilities are determined through communication with the target device.

11. (Withdrawn) A method according to Claim 1, wherein the processing capabilities are determined through communication with a database that stores data of processing capabilities of the target device.

12. (Withdrawn) A method according to Claim 11, wherein the database further stores data of processing capabilities of plural different target devices.

13. (Original) A method according to Claim 1, wherein the printing capabilities include at least one valid size for the recording medium and at least one printable area on the recording medium.

14. (Original) A method according to Claim 1, wherein the processing capabilities include at least one valid size for the recording medium and at least one area on the recording medium that can be processed.

15. (Original) A method according to Claim 14, wherein the processing capabilities further include at least one area on the recording medium that cannot be processed.

16. (Original) A method according to Claim 14, wherein the processing capabilities further include a minimum distance of separation for images on the recording medium that can be processed.

17. (Original) A method according to Claim 1, wherein the printer is a color printer, the print data includes color patches for performing color calibration of the color printer, the target device is a color measuring device, and the processing capabilities further include a minimum distance of separation between color patches and a minimum size for the color patches.

18. (Original) A method according to Claim 1, wherein the target device is a device selected from the group consisting of a stamp reader, a bar code reader, an automatic scoring device, an automatic folding device, an automatic stitching device, an automatic binding device, an automatic stamping device, and an automatic cutting device.

19. (Cancelled)

20. (Currently Amended) An apparatus for ~~determining~~ arranging print data according to a layout of the print data, wherein the print data is printed by a printer onto a recording medium, medium in which the recording medium is processed by a target device different from the printer, comprising:

a first interface to a printer;

a second interface to a target device;

a memory including a region for storing computer-executable process steps;

and

a processor for executing the computer-executable process steps;

wherein the computer-executable process steps include steps of: (a)

determining, via communication with the printer, printing capabilities of the printer,

wherein the printing capabilities include a designation of a valid area on the recording

medium on which the printer can print; (b) determining, via communication with the target

device, processing capabilities of the target device, wherein the processing capabilities

include a designation of a printable area on the recording medium for which the target

device has processing capabilities for processing properly; and (c) determining layout of

the print data ~~used for color adjustment related to the printer~~ based on compatible

capabilities between the printing capabilities of the printer and the processing capabilities

of the target device, wherein the layout is characterized by an area on the recording

medium that is common between the valid area designated by the printing capabilities and

a printable area designated by the processing capabilities that is properly processable by the target device; and (d) arranging print data for printout by the printer in accordance with the determined layout.

21. (Original) An apparatus according to Claim 20, wherein the step of determining layout further comprises the step of communicating with the printer so as to negotiate the layout.

22. (Original) An apparatus according to Claim 20, wherein the step of determining layout further comprises the step of communicating with the target device so as to negotiate the layout.

23. (Original) An apparatus according to Claim 20, wherein the computer-executable process steps further comprise the steps of communicating the layout of the print data to the printer and configuring the printer in accordance with the communicated layout.

24. (Previously Presented) An apparatus according to Claim 23, wherein the layout is communicated to the printer in a print job sent to the printer for printing the print data.

25. (Original) An apparatus according to Claim 20, wherein the computer-executable process steps further comprise the steps of communicating the layout of the print data to the target device and configuring the target device in accordance with the communicated layout.

26. (Original) An apparatus according to Claim 20, wherein the printing capabilities are determined through communication with the printer.

27. (Withdrawn) An apparatus according to Claim 20, wherein the printing capabilities are determined through communication with a database that stores data of printing capabilities of the printer.

28. (Withdrawn) An apparatus according to Claim 27, wherein the database further stores data of printing capabilities of plural different printers.

29. (Original) An apparatus according to Claim 20, wherein the processing capabilities are determined through communication with the target device.

30. (Withdrawn) An apparatus according to Claim 20, wherein the processing capabilities are determined through communication with a database that stores data of processing capabilities of the target device.

31. (Withdrawn) An apparatus according to Claim 30, wherein the database further stores data of processing capabilities of plural different target devices.

32. (Original) An apparatus according to Claim 20, wherein the printing capabilities include at least one valid size for the recording medium and at least one printable area on the recording medium.

33. (Original) An apparatus according to Claim 20, wherein the processing capabilities include at least one valid size for the recording medium and at least one area on the recording medium that can be processed.

34. (Original) An apparatus according to Claim 33, wherein the processing capabilities further include at least one area on the recording medium that cannot be processed.

35. (Original) An apparatus according to Claim 33, wherein the processing capabilities further include a minimum distance of separation for images on the recording medium that can be processed.

36. (Withdrawn) An apparatus according to Claim 20, wherein the printer is a color printer, the print data includes color patches for performing color calibration of the color printer, the target device is a color measuring device, and the



processing capabilities further include a minimum distance of separation between color patches and a minimum size for the color patches.

37. (Original) An apparatus according to Claim 20, wherein the target device is a device selected from the group consisting of a stamp reader, a bar code reader, an automatic scoring device, an automatic folding device, an automatic stitching device, an automatic binding device, an automatic stamping device, and an automatic cutting device.

38. (Cancelled)

39. (Currently Amended) A negotiation controller, the negotiation controller comprising computer-executable process steps to ~~determine~~ arrange print data according to a layout of the print data, wherein the print data is printed by a printer onto a recording medium, ~~medium~~ in which the recording medium is processed by a target device different from the printer, the computer-executable process steps comprising:

code to determine, via communication with the printer, printing capabilities of the printer, wherein the printing capabilities include a designation of a valid area on the recording medium on which the printer can print;

code to determine, via communication with the target device processing capabilities of the target device, wherein the processing capabilities include a designation of a printable area on the recording medium for which the target device has processing capabilities for processing properly; and

code to determine layout of the print data ~~used for color adjustment related to the printer~~ based on compatible capabilities between the printing capabilities of the printer and the processing capabilities of the target device, wherein the layout is characterized by an area on the recording medium that is common between the valid area designated by the printing capabilities and a printable area designated by the processing capabilities that is properly processable by the target device; and

code to arrange print data for printout by the printer in accordance with the determined layout.

40. (Original) A negotiation controller according to Claim 39, wherein the code to determine layout further comprises code to communicate with the printer so as to negotiate the layout.

41. (Original) A negotiation controller according to Claim 39, wherein the code to determine layout further comprises code to communicate with the target device so as to negotiate the layout.

42. (Original) A negotiation controller according to Claim 39, further comprising code to communicate the layout of the print data to the printer and code to configure the printer in accordance with the communicated layout.

43. (Previously Presented) A negotiation controller according to Claim 42, wherein the layout is communicated to the printer in a print job sent to the printer for printing the print data.

44. (Original) A negotiation controller according to Claim 39, further comprising code to communicate the layout of the print data to the target device and code to configure the target device in accordance with the communicated layout.

45. (Original) A negotiation controller according to Claim 39, wherein the printing capabilities are determined through communication with the printer.

46. (Withdrawn) A negotiation controller according to Claim 39, wherein the printing capabilities are determined through communication with a database that stores data of printing capabilities of the printer.

47. (Withdrawn) A negotiation controller according to Claim 46, wherein the database further stores data of printing capabilities of plural different printers.

48. (Original) A negotiation controller according to Claim 39, wherein the processing capabilities are determined through communication with the target device.

49. (Withdrawn) A negotiation controller according to Claim 39, wherein the processing capabilities are determined through communication with a database that stores data of processing capabilities of the target device.

50. (Withdrawn) A negotiation controller according to Claim 49, wherein the database further stores data of processing capabilities of plural different target devices.

51. (Original) A negotiation controller according to Claim 39, wherein the printing capabilities include at least one valid size for the recording medium and at least one printable area on the recording medium.

52. (Original) A negotiation controller according to Claim 39, wherein the processing capabilities include at least one valid size for the recording medium and at least one area on the recording medium that can be processed.

53. (Original) A negotiation controller according to Claim 52, wherein the processing capabilities further include at least one area on the recording medium that cannot be processed.

54. (Original) A negotiation controller according to Claim 52, wherein the processing capabilities further include a minimum distance of separation for images on the recording medium that can be processed.

55. (Original) A negotiation controller according to Claim 39, wherein the printer is a color printer, the print data includes color patches for performing color calibration of the color printer, the target device is a color measuring device, and the processing capabilities further include a minimum distance of separation between color patches and a minimum size for the color patches.

56. (Original) A negotiation controller according to Claim 39, wherein the target device is a device selected from the group consisting of a stamp reader, a bar code reader, an automatic scoring device, an automatic folding device, an automatic stitching device, an automatic binding device, an automatic stamping device, and an automatic cutting device.

57. (Cancelled)

58. (Currently Amended) A computer-readable medium which stores a negotiation controller, the negotiation controller comprising computer-executable process steps to determine arrange print data according to a layout of the print data, wherein the print data is printed by a printer onto a recording ~~medium, medium~~ in which the recording

medium is processed by a target device different from the printer, the computer-executable process steps comprising:

a first determining step to determine, via communication with the printer, printing capabilities of the printer, wherein the printing capabilities include a designation of a valid area on the recording medium on which the printer can print;

a second determining step to determine, via communication with the target device, processing capabilities of the target device, wherein the processing capabilities include a designation of a printable area on the recording medium for which the target device has processing capabilities for processing properly; and

a third determining step to determine layout of the print data ~~used for color adjustment related to the printer~~ based on compatible capabilities between the printing capabilities of the printer and the processing capabilities of the target device, wherein the layout is characterized by an area on the recording medium that is common between the valid area designated by the printing capabilities and a printable area designated by the processing capabilities that is properly processable by the target device; and

an arranging step to arrange print data for printout by the printer in accordance with the determined layout.

59. (Original) A computer-readable medium according to Claim 58, wherein the third determining step to determine layout of the print data further comprises a communicating step to communicate with the printer so as to negotiate the layout.

60. (Original) A computer-readable medium according to Claim 58, wherein the third determining step to determine layout of the print data further comprises a communicating step to communicate with the target device so as to negotiate the layout.

61. (Original) A computer-readable medium according to Claim 58, wherein the computer-executable process steps further comprise a communicating step to communicate the layout of the print data to the printer and a configuring step to configure the printer in accordance with the communicated layout.

62. (Previously Presented) A computer-readable medium according to Claim 61, wherein the layout is communicated to the printer in a print job sent to the printer for printing the print data.

63. (Original) A computer-readable medium according to Claim 58, wherein the executable process steps further comprise a communicating step to communicate the layout of the print data to the target device and a configuring step to configure the target device in accordance with the communicated layout.

64. (Original) A computer-readable medium according to Claim 58, wherein the printing capabilities are determined through communication with the printer.

65. (Withdrawn) A computer-readable medium according to Claim 58, wherein the printing capabilities are determined through communication with a database that stores data of printing capabilities of the printer.

66. (Withdrawn) A computer-readable medium according to Claim 65, wherein the database further stores data of printing capabilities of plural different printers.

67. (Original) A computer-readable medium according to Claim 58, wherein the processing capabilities are determined through communication with the target device.

68. (Withdrawn) A computer-readable medium according to Claim 58, wherein the processing capabilities are determined through communication with a database that stores data of processing capabilities of the target device.

69. (Withdrawn) A computer-readable medium according to Claim 68, wherein the database further stores data of processing capabilities of plural different target devices.

70. (Original) A computer-readable medium according to Claim 58, wherein the printing capabilities include at least one valid size for the recording medium and at least one printable area on the recording medium.



71. (Original) A computer-readable medium according to Claim 58, wherein the processing capabilities include at least one valid size for the recording medium and at least one area on the recording medium that can be processed.

72. (Original) A computer-readable medium according to Claim 71, wherein the processing capabilities further include at least one area on the recording medium that cannot be processed.

73. (Original) A computer-readable medium according to Claim 71, wherein the processing capabilities further include a minimum distance of separation for images on the recording medium that can be processed.

74. (Original) A computer-readable medium according to Claim 58, wherein the printer is a color printer, the print data includes color patches for performing color calibration of the color printer, the target device is a color measuring device, and the processing capabilities further include a minimum distance of separation between color patches and a minimum size for the color patches.

75. (Withdrawn) A computer-readable medium according to Claim 58, wherein the target device is a device selected from the group consisting of a stamp reader, a bar code reader, an automatic scoring device, an automatic folding device, an automatic

stitching device, an automatic binding device, an automatic stamping device, and an automatic cutting device.

76. (Cancelled)